**[](http://www.canstockphoto.com/paper-craneorigami-2950579.html)Folding paper exercise Answer sheet**

Name:........................................... Class :..................

1. If you could fold a sheet of paper in half 50 times, how thick would the folded paper be?

Estimate first. Would it be:

* as thick as your maths text book?
* as high as the desk in front of you?
* as tall as the building?

Your estimate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Work with a partner and discuss your estimation and the method or strategy by which you think you could solve the problem.

* Do you see any patterns?
* What would help organize your information?
* What will you need to answer the question?

1. Now to solve the problem.   
     
   Hint: Do a few folds and count the layers. For this problem, a table may be helpful to record—

* Number of folds
* Number of layers
* Calculations

|  |  |  |
| --- | --- | --- |
| Folds | Layers | Calculations |
|  |  |  |
|  |  |  |
|  |  |  |

Can you find a rule for *n*  folds?

Explain, in your own words, how the rule works and what you did to figure out the answer.  
  
Did you expect the findings you got? How many times do you think you can actually fold the paper? Try!

1. Find out about the art of paper folding called Origami.